

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L1    | 6    | "4326211" and (indium adj phosphide InP)                               | US-PGPUB;<br>USPAT                                 | OR               | ON      | 2005/11/28 14:04 |
| L3    | 1    | "4326211".pn.  | US-PGPUB;<br>USPAT                                 | OR               | ON      | 2005/11/28 14:04 |
| L4    | 0    | 1 and 3  | US-PGPUB;<br>USPAT                                 | OR               | ON      | 2005/11/28 14:08 |
| L5    | 7    | 1 or 3   | US-PGPUB;<br>USPAT                                 | OR               | ON      | 2005/11/28 14:08 |
| L7    | 1    | ("20050056862").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                       | OR               | OFF     | 2005/11/28 14:16 |
| L8    | 0    | 7 and window   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/11/28 14:42 |
| L16   | 12   | "5552629"  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/11/28 14:53 |
| L18   | 7    | 16 and concentration   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/11/28 14:53 |
| L19   | 2    | ("4840916"   "5288989").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                       | OR               | OFF     | 2005/11/28 15:30 |
| L20   | 1552 | (257/186,189,190,438,458).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR                       | OR               | OFF     | 2005/11/28 16:07 |
| L21   | 2    | L20 and annular near3 electrode and @pd>"20050310"                     | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/11/28 16:08 |
| L22   | 95   | L20 and @pd>"20050310"   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/11/28 16:08 |
| L25   | 0    | L20 and substrate near4 InAlAs and InP near2 buffer and @pd>"20050310" | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/11/28 16:09 |

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| L27 | 2  | (photodiode photo-diode photo adj diode) and buffer and field adj controlling and @pd>"20050310"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/11/28 16:09 |
| L28 | 37 | (HPT phototransistor photo-transistor photo adj transistor photodiode photo-diode photo adj diode) and InP and InAlAs and @pd>"20050310"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/11/28 16:09 |
| L29 | 5  | InP near3 buffer and InAlAs near3 buffer and @pd>"20050310"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/11/28 16:10 |
| L30 | 1  | ("20020117697").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/11/28 16:10 |
| L31 | 2  | JP-04093088-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/11/28 16:11 |
| L32 | 38 | (avalanche adj (photodiode photo-diode photo adj diode) APD) and (multiply multiplying multiplication amplfy amplifying amplfication) and (absorbing absorption) near light and @pd>"20050310" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/11/28 16:11 |
| L33 | 24 | (avalanche adj (photodiode photo-diode photo adj diode) APD) and watanabe and @pd>"20050310"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/11/28 16:11 |
| L34 | 11 | (avalanche adj (photodiode photo-diode photo adj diode) APD) and watanabe and (absorbing absorption) near light and @pd>"20050310"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/11/28 16:11 |
| L35 | 2  | "5552629" and (absorbing absorption) near light and @pd>"20050310"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/11/28 16:11 |
| L36 | 0  | "4816890" and @pd>"20050310"   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/11/28 16:11 |

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| L37 | 11 | (US-4816890-\$ or US-4326211-\$).<br>did. or (JP-62176175-\$ or<br>JP-08162663-\$ or JP-04093088-\$ or<br>JP-04241473-\$ or JP-58162077-\$).<br>did. or (JP-07202253-\$ or<br>JP-02137376-\$ or EP-347157-\$ or<br>JP-57018372-\$).did. | USPAT;<br>JPO;<br>DERWENT | OR | OFF | 2005/11/28 16:12 |
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